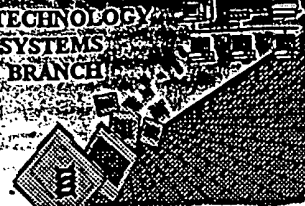
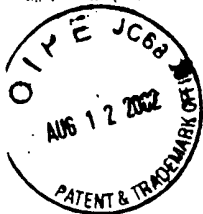


05/17  
BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/014,099 A  
Source: OIP E  
Date Processed by STIC: 5/31/02

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PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
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2011 South Clark Place, Arlington, VA 22202
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PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002  
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Input Set : A:\PTOMS.txt  
Output Set: N:\CRF3\05312002\J014099A.raw

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5 <110> APPLICANT: KUEHN, Ralf  
6 FELDER, Susanne  
7 SCHWENK, Frieder  
8 KUETER LUKS, Birgit  
9 FAUST, Nicole  
11 <120> TITLE OF INVENTION: Modified Recombinase  
13 <130> FILE REFERENCE: 012787wo/JH/ml  
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/014,099A  
C--> 16 <141> CURRENT FILING DATE: 2001-12-11  
18 <160> NUMBER OF SEQ ID NOS: 108  
20 <170> SOFTWARE: PatentIn Ver. 2.1

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#### ERRORRED SEQUENCES

1408 <210> SEQ ID NO: 23  
1409 <211> LENGTH: 620  
1410 <212> TYPE: DNA  
1411 <213> ORGANISM: Artificial Sequence  
W--> 1412 <220> FEATURE:  
1413 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence  
1414 encoding the fusion protein C31-Int(CNLS)  
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1420 Asp Arg Gln Ser Arg Glu Arg Glu Asn Ser Ser Ala Ala Ser Pro Ala  
1421 20 25 30  
1423 Thr Gln Arg Ser Ala Asn Glu Asp Lys Ala Ala Asp Leu Gln Arg Glu  
1424 35 40 45  
1426 Val Glu Arg Asp Gly Gly Arg Phe Arg Phe Val Gly His Phe Ser Glu  
1427 50 55 60  
1429 Ala Pro Gly Thr Ser Ala Phe Gly Thr Ala Glu Arg Pro Glu Phe Glu  
1430 65 70 75 80  
1432 Arg Ile Leu Asn Glu Cys Arg Ala Gly Arg Leu Asn Met Ile Ile Val  
1433 85 90 95  
1435 Tyr Asp Val Ser Arg Phe Ser Arg Leu Lys Val Met Asp Ala Ile Pro  
1436 100 105 110  
1438 Ile Val Ser Glu Leu Leu Ala Leu Gly Val Thr Ile Val Ser Thr Gln  
1439 115 120 125  
1441 Glu Gly Val Phe Arg Gln Gly Asn Val Met Asp Leu Ile His Leu Ile  
1442 130 135 140  
1444 Met Arg Leu Asp Ala Ser His Lys Glu Ser Ser Leu Lys Ser Ala Lys  
1445 145 150 155 160

change to  
PRT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002  
TIME: 10:06:08

Input Set : A:\PTOMS.txt  
Output Set: N:\CRF3\05312002\J014099A.raw

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1451                      180                      185                      190
1453 Thr Arg Asn Gly Arg Met Val Asn Val Val Ile Asn Lys Leu Ala His
1454                      195                      200                      205
1456 Ser Thr Thr Pro Leu Thr Gly Pro Phe Glu Phe Glu Pro Asp Val Ile
1457                      210                      215                      220
1459 Arg Trp Trp Trp Arg Glu Ile Lys Thr His Lys His Leu Pro Phe Lys
1460 225                      230                      235                      240
1462 Pro Gly Ser Gln Ala Ala Ile His Pro Gly Ser Ile Thr Gly Leu Cys
1463                      245                      250                      255
1465 Lys Arg Met Asp Ala Asp Ala Val Pro Thr Arg Gly Glu Thr Ile Gly
1466                      260                      265                      270
1468 Lys Lys Thr Ala Ser Ser Ala Trp Asp Pro Ala Thr Val Met Arg Ile
1469                      275                      280                      285
1471 Leu Arg Asp Pro Arg Ile Ala Gly Phe Ala Ala Glu Val Ile Tyr Lys
1472                      290                      295                      300
1474 Lys Lys Pro Asp Gly Thr Pro Thr Thr Lys Ile Glu Gly Tyr Arg Ile
1475 305                      310                      315                      320
1477 Gln Arg Asp Pro Ile Thr Leu Arg Pro Val Glu Leu Asp Cys Gly Pro
1478                      325                      330                      335
1480 Ile Ile Glu Pro Ala Glu Trp Tyr Glu Leu Gln Ala Trp Leu Asp Gly
1481                      340                      345                      350
1483 Arg Gly Arg Gly Lys Gly Leu Ser Arg Gly Gln Ala Ile Leu Ser Ala
1484                      355                      360                      365
1486 Met Asp Lys Leu Tyr Cys Glu Cys Gly Ala Val Met Thr Ser Lys Arg
1487                      370                      375                      380
1489 Gly Glu Glu Ser Ile Lys Asp Ser Tyr Arg Cys Arg Arg Arg Lys Val
1490 385                      390                      395                      400
1492 Val Asp Pro Ser Ala Pro Gly Gln His Glu Gly Thr Cys Asn Val Ser
1493                      405                      410                      415
1495 Met Ala Ala Leu Asp Lys Phe Val Ala Glu Arg Ile Phe Asn Lys Ile
1496                      420                      425                      430
1498 Arg His Ala Glu Gly Asp Glu Glu Thr Leu Ala Leu Leu Trp Glu Ala
1499                      435                      440                      445
1501 Ala Arg Arg Phe Gly Lys Leu Thr Glu Ala Pro Glu Lys Ser Gly Glu
1502                      450                      455                      460
1504 Arg Ala Asn Leu Val Ala Glu Arg Ala Asp Ala Leu Asn Ala Leu Glu
1505 465                      470                      475                      480
1507 Glu Leu Tyr Glu Asp Arg Ala Ala Gly Ala Tyr Asp Gly Pro Val Gly
1508                      485                      490                      495
1510 Arg Lys His Phe Arg Lys Gln Gln Ala Ala Leu Thr Leu Arg Gln Gln
1511                      500                      505                      510
1513 Gly Ala Glu Glu Arg Leu Ala Glu Leu Glu Ala Ala Glu Ala Pro Lys
1514                      515                      520                      525
1516 Leu Pro Leu Asp Gln Trp Phe Pro Glu Asp Ala Asp Ala Asp Pro Thr
1517                      530                      535                      540
1519 Gly Pro Lys Ser Trp Trp Gly Arg Ala Ser Val Asp Asp Lys Arg Val

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PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002

TIME: 10:06:08

Input Set : A:\PTOMS.txt

Output Set: N:\CRF3\05312002\J014099A.raw

1520 545 550 555 560  
1522 Phe Val Gly Leu Phe Val Asp Lys Ile Val Val Thr Lys Ser Thr Thr  
1523 565 570 575  
1525 Gly Arg Gly Gln Gly Thr Pro Ile Glu Lys Arg Ala Ser Ile Thr Trp  
1526 580 585 590  
1528 Ala Lys Pro Thr Asp Asp Asp Glu Asp Asp Ala Gln Asp Gly Thr  
1529 595 600 605  
1531 Glu Asp Val Ala Ala Pro Lys Lys Lys Arg Lys Val  
E--> 1532 610 615 620  
3321 <210> SEQ ID NO: 65  
3322 <211> LENGTH: 335  
3323 <212> TYPE: PRT  
3324 <213> ORGANISM: Artificial Sequence  
N--> 3325 <220> FEATURE: *<220> is mandatory and needs to be inserted*  
3325 <223> OTHER INFORMATION: Description of Artificial Sequence: vector  
3326 pBS-SSV3  
E--> 3328 <400> SEQUENCE: 65  
3329 Met Thr Lys Asp Lys Thr Arg Tyr Lys Tyr Gly Asp Tyr Ile Leu Arg  
3330 1 5 10 15  
3332 Glu Arg Lys Gly Arg Tyr Tyr Val Tyr Lys Leu Glu Tyr Glu Asn Gly  
3333 20 25 30  
3335 Glu Val Lys Glu Arg Tyr Val Gly Pro Leu Ala Asp Val Val Glu Ser  
3336 35 40 45  
3338 Tyr Leu Lys Met Lys Leu Gly Val Val Gly Asp Thr Pro Leu Gln Ala  
3339 50 55 60  
3341 Asp Pro Pro Gly Phe Glu Pro Gly Thr Ser Gly Ser Gly Gly Lys  
3342 65 70 75 80  
3344 Glu Gly Thr Glu Arg Arg Lys Ile Ala Leu Val Ala Asn Leu Arg Gln  
3345 85 90 95  
3347 Tyr Ala Thr Asp Gly Asn Ile Lys Ala Phe Tyr Asn Tyr Leu Met Asn  
3348 100 105 110  
3350 Glu Arg Gly Ile Ser Glu Lys Thr Ala Lys Asp Tyr Ile Asn Ala Ile  
3351 115 120 125  
3353 Ser Lys Pro Tyr Lys Glu Thr Arg Asp Ala Gln Lys Ala Tyr Arg Leu  
3354 130 135 140  
3356 Phe Ala Arg Phe Leu Ala Ser Arg Asn Ile Ile His Asp Glu Phe Ala  
3357 145 150 155 160  
3359 Asp Lys Ile Leu Lys Ala Val Lys Val Lys Lys Ala Asn Ala Asp Ile  
3360 165 170 175  
3362 Tyr Ile Pro Thr Leu Glu Glu Ile Lys Arg Thr Leu Gln Leu Ala Lys  
3363 180 185 190  
3365 Asp Tyr Ser Glu Asn Val Tyr Phe Ile Tyr Arg Ile Ala Leu Glu Ser  
3366 195 200 205  
3368 Gly Val Arg Leu Ser Glu Ile Leu Lys Val Leu Lys Glu Pro Glu Arg  
3369 210 215 220  
3371 Asp Ile Cys Gly Asn Asp Val Cys Tyr Tyr Pro Leu Ser Trp Thr Arg  
3372 225 230 235 240  
3374 Gly Tyr Lys Gly Val Phe Tyr Val Phe His Ile Thr Pro Leu Lys Arg  
3375 245 250 255

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002  
TIME: 10:06:08

Input Set : A:\PTOMS.txt  
Output Set: N:\CRF3\05312002\J014099A.raw

```

3377 Val Glu Val Thr Lys Trp Ala Ile Ala Asp Phe Glu Arg Arg His Lys
3378                260                265                270
3380 Asp Ala Ile Ala Ile Lys Tyr Phe Arg Lys Phe Val Ala Ser Lys Met
3381                275                280                285
3383 Ala Glu Leu Ser Val Pro Leu Asp Ile Ile Asp Phe Ile Gln Gly Arg
3384                290                295                300
3386 Lys Pro Thr Arg Val Leu Thr Gln His Tyr Val Ser Leu Phe Gly Ile
3387 305                310                315                320
3389 Ala Lys Glu Gln Tyr Lys Lys Tyr Ala Glu Trp Leu Lys Gly Val
3390                325                330                335
3529 <210> SEQ ID NO: 67
3530 <211> LENGTH: 479
3531 <212> TYPE: PRT
3532 <213> ORGANISM: Artificial Sequence
v--> 3533 <220> FEATURE:
3533 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
3534 coding for fusion protein NLS-Xisa
3--> 3536 <400> SEQUENCE: 67
3537 Met Pro Lys Lys Lys Arg Lys Val Gln Asn Gln Gly Gln Asp Lys Tyr
3538 1                5                10                15
3540 Gln Gln Ala Phe Ala Asp Leu Glu Pro Leu Ser Ser Thr Asp Gly Ser
3541                20                25                30
3543 Phe Leu Gly Ser Ser Leu Gln Ala Gln Gln Gln Arg Glu His Met Arg
3544                35                40                45
3546 Thr Lys Val Leu Gln Asp Leu Asp Lys Val Asn Leu Arg Leu Lys Ser
3547 50                55                60
3549 Ala Lys Thr Lys Val Ser Val Arg Glu Ser Asn Gly Ser Leu Gln Leu
3550 65                70                75                80
3552 Arg Ala Thr Leu Pro Ile Lys Pro Gly Asp Lys Asp Thr Asn Gly Thr
3553                85                90                95
3555 Gly Arg Lys Gln Tyr Asn Leu Ser Leu Asn Ile Pro Ala Asn Leu Asp
3556                100               105               110
3558 Gly Leu Lys Thr Ala Glu Glu Glu Ala Tyr Glu Leu Gly Lys Leu Ile
3559                115               120               125
3561 Ala Arg Lys Thr Phe Glu Trp Asn Asp Lys Tyr Leu Gly Lys Glu Ala
3562 130               135               140
3564 Thr Lys Lys Asp Ser Gln Thr Ile Gly Asp Leu Leu Glu Lys Phe Ala
3565 145               150               155               160
3567 Glu Glu Tyr Phe Lys Thr His Lys Arg Thr Thr Lys Ser Glu His Thr
3568                165               170               175
3570 Phe Phe Tyr Tyr Phe Ser Arg Thr Gln Arg Tyr Thr Asn Ser Lys Asp
3571                180               185               190
3573 Leu Ala Thr Ala Glu Asn Leu Ile Asn Ser Ile Glu Gln Ile Asp Lys
3574                195               200               205
3576 Glu Trp Ala Arg Tyr Asn Ala Ala Arg Ala Ile Ser Ala Phe Cys Ile
3577 210               215               220
3579 Thr Phe Asn Ile Glu Ile Asp Leu Ser Gln Tyr Ser Lys Met Pro Asp
3580 225               230               235               240
3582 Arg Asn Ser Arg Asn Ile Pro Thr Asp Ala Glu Ile Leu Ser Gly Ile

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*<220> is mandatory and  
needs to be inserted.*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002  
TIME: 10:06:08

Input Set : A:\PTOMS.txt  
Output Set: N:\CRF3\05312002\J014099A.raw

```

3583          245          250          255
3585 Thr Lys Phe Glu Asp Tyr Leu Val Thr Arg Gly Asn Gln Val Asn Glu
3586          260          265          270
3588 Asp Val Lys Asp Ser Trp Gln Leu Trp Arg Trp Thr Tyr Gly Met Leu
3589          275          280          285
3591 Ala Val Phe Gly Leu Arg Pro Arg Glu Ile Phe Ile Asn Pro Asn Ile
3592          290          295          300
3594 Asp Trp Trp Trp Leu Ser Lys Glu Asn Ile Asp Leu Thr Trp Lys Val Asp
3595 305          310          315          320
3597 Lys Glu Cys Lys Thr Gly Glu Arg Gln Ala Leu Pro Leu His Lys Glu
3598          325          330          335
3600 Trp Ile Asp Glu Phe Asp Leu Arg Asn Pro Lys Tyr Leu Glu Met Leu
3601          340          345          350
3603 Ala Thr Ala Ile Ser Lys Lys Asp Lys Thr Asn His Ala Glu Ile Thr
3604          355          360          365
3606 Ala Leu Thr Gln Arg Ile Ser Trp Trp Phe Arg Lys Val Glu Leu Asp
3607          370          375          380
3609 Phe Lys Pro Tyr Asp Leu Arg His Ala Trp Ala Ile Arg Ala His Ile
3610 385          390          395          400
3612 Leu Gly Ile Pro Ile Lys Ala Ala Ala Asp Asn Leu Gly His Ser Met
3613          405          410          415
3615 Gln Val His Thr Gln Thr Tyr Gln Arg Trp Phe Ser Leu Asp Met Arg
3616          420          425          430
3618 Lys Leu Ala Ile Asn Gln Ala Leu Thr Lys Arg Asn Glu Phe Glu Val
3619          435          440          445
3621 Ile Arg Glu Glu Asn Ala Lys Leu Gln Ile Glu Asn Glu Arg Leu Arg
3622          450          455          460
3624 Met Glu Ile Glu Lys Leu Lys Met Glu Ile Ala Tyr Lys Asn Ser
3625 465          470          475

```

3732 <210> SEQ ID NO: 69

3733 <211> LENGTH: 342

3734 <212> TYPE: PRT

3735 <213> ORGANISM: Artificial Sequence

W--> 3736 <220> FEATURE:

3736 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence  
coding for fusion protein NLS-Ssv

E--> 3739 <400> SEQUENCE: 69

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3740 Met Pro Lys Lys Lys Arg Lys Val Thr Lys Asp Lys Thr Arg Tyr Lys
3741 1          5          10          15
3743 Tyr Gly Asp Tyr Ile Leu Arg Glu Arg Lys Gly Arg Tyr Tyr Val Tyr
3744          20          25          30
3746 Lys Leu Glu Tyr Glu Asn Gly Glu Val Lys Glu Arg Tyr Val Gly Pro
3747          35          40          45
3749 Leu Ala Asp Val Val Glu Ser Tyr Leu Lys Met Lys Leu Gly Val Val
3750          50          55          60
3752 Gly Asp Thr Pro Leu Gln Ala Asp Pro Pro Gly Phe Glu Pro Gly Thr
3753 65          70          75          80
3755 Ser Gly Ser Gly Gly Lys Glu Gly Thr Glu Arg Arg Lys Ile Ala
3756          85          90          95

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*<220> is mandatory and  
needs to be inserted*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002  
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3759          100          105          110
3761 Phe Tyr Asn Tyr Leu Met Asn Glu Arg Gly Ile Ser Glu Lys Thr Ala
3762          115          120          125
3764 Lys Asp Tyr Ile Asn Ala Ile Ser Lys Pro Tyr Lys Glu Thr Arg Asp
3765          130          135          140
3767 Ala Gln Lys Ala Tyr Arg Leu Phe Ala Arg Phe Leu Ala Ser Arg Asn
3768 145          150          155          160
3770 Ile Ile His Asp Glu Phe Ala Asp Lys Ile Leu Lys Ala Val Lys Val
3771          165          170          175
3773 Lys Lys Ala Asn Ala Asp Ile Tyr Ile Pro Thr Leu Glu Glu Ile Lys
3774          180          185          190
3776 Arg Thr Leu Gln Leu Ala Lys Asp Tyr Ser Glu Asn Val Tyr Phe Ile
3777          195          200          205
3779 Tyr Arg Ile Ala Leu Glu Ser Gly Val Arg Leu Ser Glu Ile Leu Lys
3780          210          215          220
3782 Val Leu Lys Glu Pro Glu Arg Asp Ile Cys Gly Asn Asp Val Cys Tyr
3783 225          230          235          240
3785 Tyr Pro Leu Ser Trp Thr Arg Gly Tyr Lys Gly Val Phe Tyr Val Phe
3786          245          250          255
3788 His Ile Thr Pro Leu Lys Arg Val Glu Val Thr Lys Trp Ala Ile Ala
3789          260          265          270
3791 Asp Phe Glu Arg Arg His Lys Asp Ala Ile Ala Ile Lys Tyr Phe Arg
3792          275          280          285
3794 Lys Phe Val Ala Ser Lys Met Ala Glu Leu Ser Val Pro Leu Asp Ile
3795          290          295          300
3797 Ile Asp Phe Ile Gln Gly Arg Lys Pro Thr Arg Val Leu Thr Gln His
3798 305          310          315          320
3800 Tyr Val Ser Leu Phe Gly Ile Ala Lys Glu Gln Tyr Lys Lys Tyr Ala
3801          325          330          335
3803 Glu Trp Leu Lys Gly Val
3804          340
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6192 <211> LENGTH: 485
6193 <212> TYPE: PRT
6194 <213> ORGANISM: Bacteriophage TP901-1
6196 <400> SEQUENCE: 108
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6201          20          25          30
6203 Tyr Ala Glu Ala Met Gly Trp Gln Val Ser Asp Thr Tyr Thr Asp Ala
6204          35          40          45
6206 Gly Phe Ser Gly Ala Lys Leu Glu Arg Pro Ala Met Gln Arg Leu Ile
6207          50          55          60
6209 Asn Asp Ile Glu Asn Lys Ala Phe Asp Thr Val Leu Val Tyr Lys Leu
6210 65          70          75          80
6212 Asp Arg Leu Ser Arg Ser Val Arg Asp Thr Leu Tyr Leu Val Lys Asp
6213          85          90          95
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002

TIME: 10:06:09

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Output Set: N:\CRF3\05312002\J014099A.raw

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6215 Val Phe Thr Lys Asn Lys Ile Asp Phe Ile Ser Leu Asn Glu Ser Ile
6216          100          105          110
6218 Asp Thr Ser Ser Ala Met Gly Ser Leu Phe Leu Thr Ile Leu Ser Ala
6219          115          120          125
6221 Ile Asn Glu Phe Glu Arg Glu Asn Ile Lys Glu Arg Met Thr Met Gly
6222          130          135          140
6224 Lys Leu Gly Arg Ala Lys Ser Gly Lys Ser Met Met Trp Thr Lys Thr
6225 145          150          155          160
6227 Ala Phe Gly Tyr Tyr His Asn Arg Lys Thr Gly Ile Leu Glu Ile Val
6228          165          170          175
6230 Pro Leu Gln Ala Thr Ile Val Glu Gln Ile Phe Thr Asp Tyr Leu Ser
6231          180          185          190
6233 Gly Ile Ser Leu Thr Lys Leu Arg Asp Lys Leu Asn Glu Ser Gly His
6234          195          200          205
6236 Ile Gly Lys Asp Ile Pro Trp Ser Tyr Arg Thr Leu Arg Gln Thr Leu
6237          210          215          220
6239 Asp Asn Pro Val Tyr Cys Gly Tyr Ile Lys Phe Lys Asp Ser Leu Phe
6240 225          230          235          240
6242 Glu Gly Met His Lys Pro Ile Ile Pro Tyr Glu Thr Tyr Leu Lys Val
6243          245          250          255
6245 Gln Lys Glu Leu Glu Arg Gln Gln Gln Thr Tyr Glu Arg Asn Asn
6246          260          265          270
6248 Asn Pro Arg Pro Phe Gln Ala Lys Tyr Met Leu Ser Gly Met Ala Arg
6249          275          280          285
6251 Cys Gly Tyr Cys Gly Ala Pro Leu Lys Ile Val Leu Gly His Lys Arg
6252          290          295          300
6254 Lys Asp Gly Ser Arg Thr Met Lys Tyr His Cys Ala Asn Arg Phe Pro
6255 305          310          315          320
6257 Arg Lys Thr Lys Gly Ile Thr Val Tyr Asn Asp Asn Lys Lys Cys Asp
6258          325          330          335
6260 Ser Gly Thr Tyr Asp Leu Ser Asn Leu Glu Asn Thr Val Ile Asp Asn
6261          340          345          350
6263 Leu Ile Gly Phe Gln Glu Asn Asn Asp Ser Leu Leu Lys Ile Ile Asn
6264          355          360          365
6266 Gly Asn Asn Gln Pro Ile Leu Asp Thr Ser Ser Phe Lys Lys Gln Ile
6267          370          375          380
6269 Ser Gln Ile Asp Lys Lys Ile Gln Lys Asn Ser Asp Leu Tyr Leu Asn
6270 385          390          395          400
6272 Asp Phe Ile Thr Met Asp Glu Leu Lys Asp Arg Thr Asp Ser Leu Gln
6273          405          410          415
6275 Ala Glu Lys Lys Leu Leu Lys Ala Lys Ile Ser Glu Asn Lys Phe Asn
6276          420          425          430
6278 Asp Ser Thr Asp Val Phe Glu Leu Val Lys Thr Gln Leu Gly Ser Ile
6279          435          440          445
6281 Pro Ile Asn Glu Leu Ser Tyr Asp Asn Lys Lys Lys Ile Val Asn Asn
6282          450          455          460
6284 Leu Val Ser Lys Val Asp Val Thr Ala Asp Asn Val Asp Ile Ile Phe
6285 465          470          475          480
6287 Lys Phe Gln Leu Ala
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002

TIME: 10:06:09

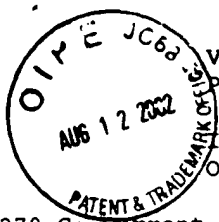
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Output Set: N:\CRF3\05312002\J014099A.raw

485

E--> 6288  
6294 1

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/014,099A

DATE: 05/31/2002

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Output Set: N:\CRF3\05312002\J014099A.raw

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L:15 M:270 C: Current Application Number differs, Replaced Application Number  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:262 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:263 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10  
L:921 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:922 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19  
L:928 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:19  
L:937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:480  
L:1412 M:283 W: Missing Blank Line separator, <220> field identifier  
L:1532 M:252 E: No. of Seq. differs, <211> LENGTH:Input:620 Found:0 SEQ:23  
L:3325 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:65  
L:3328 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:65  
L:3533 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:67  
L:3536 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:67  
L:3736 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:69  
L:3739 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:69  
L:6294 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:108

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